

Title (en)  
ELECTRICAL FILTERING SYSTEM FOR A SMART ELECTRIC MOTOR WITH DECOUPLED MULTIPLE WINDINGS AND ASSOCIATED SMART ELECTRIC MOTOR

Title (de)  
ELEKTRISCHES FILTRATIONSSYSTEM FÜR EINEN INTELLIGENTEN ELEKTROMOTOR MIT ENTKOPPELTEN MEHRFACHWICKLUNGEN UND ZUGEHÖRIGER INTELLIGENTER ELEKTROMOTOR

Title (fr)  
SYSTEME ELECTRIQUE DE FILTRAGE D'UN MOTEUR ELECTRIQUE INTELLIGENT A MULTI-BOBINAGES DECOUPLES ET MOTEUR ELECTRIQUE INTELLIGENT ASSOCIE

Publication  
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Application  
**EP 19842377 A 20191202**

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Abstract (en)  
[origin: WO2020115418A1] The invention relates to an electrical filtering system (16) comprising capacitors (162) and an electrical distribution device (160) having a stack of two conductive layers (165, 167) which face each other and are separated by an insulating layer (166), the stack being mounted on a rigid insulating plate (164), and said capacitors (162) being mounted on the distribution device (160), the rigid plate (164) extending in a plane that runs orthogonal to the direction in which the layers (165, 166, 167) are stacked. The distribution device (160) comprises a plurality of electrical connections (168) angularly distributed on the outer perimeter of the distribution device (160) and projecting in a plane that runs parallel to the plane in which the rigid plate (164) extends, which extend from the outer perimeter of the distribution device (160), said connections (168) being, on the one hand, each connected to at least one capacitor (162) and, on the other hand, designed to be connected to an arm (1840) of an electric inverter (184) mounted on a tubular electric converter (180) of an electronic control unit (18).

IPC 8 full level  
**H02K 11/33** (2016.01)

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